

# ABSTRACT

1. A high purity polysaccharide containing hydrophobic group is produced by a process, comprising

a first process step of producing an isocyanate group-containing hydrophobic compound, wherein one mole of a hydroxyl group-containing hydrocarbon having 12 - 50 carbon atoms or of a sterol is reacted with a diisocyanate represented by  $\text{OCN-R}^1\text{-NCO}$  in which  $\text{R}^1$  is a hydrocarbyl of 1 - 50 carbon atoms,

a second process step of producing the polysaccharide containing hydrophobic group composed of the hydrocarbon group of 12 - 50 carbon atoms or of the steryl group, wherein the isocyanate group-containing hydrophobic compound obtained in the first process step is reacted with one or more polysaccharides, and

a purification step in which the reaction product in the second process step is purified using a solvent based on ketone.